

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. through 7. (Cancelled)

8. (Currently Amended) An insulating blanket having high temperature stability, comprising:

a ceramic fabric including ceramic fibers; and

~~a coating on the fibers of a first ceramic material selected from the group consisting of monazites and xenotimes comprising one of a monazite powder and a xenotime powder that has been washed to be essentially free of impurities and excess phosphorous~~ and having a stoichiometric ratio between a metal of the ~~first ceramic material powder~~ and a phosphate of the ~~first ceramic material powder~~ of about 1:1.

9. (Cancelled)

10. (Cancelled)

11. (Original) The blanket according to Claim 8, wherein the coating further comprises a SIC additive.

12. (Original) The blanket according to Claim 8, wherein the coating further comprises an inert powder.

13. (Currently Amended) The blanket according to Claim [[8]] 12, wherein the inert powder [[is]] comprises at least one of Al₂O₃, zirconia, YAG, mullite, or compositions thereof.

14. (Currently amended) The blanket according to Claim 8, wherein the metal further comprises at least one of lanthanum, cerium, yttrium, or combinations thereof.

15. (Currently Amended) A mobile platform comprising:

a body having an area to be exposed to temperatures of at least about 2000 degrees Fahrenheit; and

an insulating blanket covering removably adhered to the area and having

a ceramic fabric including ceramic fibers; and

~~a coating on the fibers of a first ceramic material selected from the group consisting of monazites and xenotimes comprising one of a monazite powder~~

and a xenotime powder that has been washed to be essentially free of impurities
and excess phosphorous and having a stoichiometric ratio between a metal of
the ~~first ceramic material~~ powder and a phosphate of the ~~first ceramic material~~
powder of about 1:1.

16. (Original) The mobile platform according to Claim 15, further comprising a re-entry vehicle.

17. (Cancelled)

18. (Cancelled)

19. (Original) The mobile platform according to Claim 15, wherein the coating further comprises a SIC additive.

20. (Original) The mobile platform according to Claim 15, wherein the coating further comprises an inert powder.

21. (Currently Amended) The mobile platform according to Claim 15, wherein the inert powder ~~[[is]]~~ comprises at least one of Al_2O_3 , zirconia, YAG, mullite, ~~or compositions thereof~~.

22. (Currently Amended) The mobile platform according to Claim 15, wherein the metal ~~further comprises at least one of~~ lanthanum, cerium, yttrium, ~~or combinations thereof~~.